

ABSTRACT

5 A medical bone implant (1; 11, 14) a medical bone implant (1; 11, 14) for stabilizing a bone region is provided, comprising an implant body manufactured from a thermoplastic composite material for the purpose of being anchored in or on a human or animal bone for the purpose of stabilizing the bone region, and further comprising at least one sensor (2) for measuring one or more parameter(s) of the healing process and/or of a condition of the implant (1; 11, 14). The at least one sensor (2) is a passive, magnetoelastic sensor (2).
10 Furthermore, a method for monitoring the condition of an implant (1; 11, 14) is provided. Therein, a passive magnetoelastic sensor (2) is used for monitoring the condition of the implant (1; 11, 14) during its manufacturing process and/or during its storage.

(Fig. 9)